

Rosecrans Memorial Airport (ANG) Natural Gas Distribution System

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J7 Rosecrans Memorial Airport (ANG) Natural Gas Distribution System

J7.1 Rosecrans Memorial Airport (ANG) Overview

Rosecrans Memorial Airport is located in northwestern Missouri, approximately 40 miles north of Kansas City and 4 miles west of Saint Joseph, Missouri. Owned and operated by the City of Saint Joseph, Rosecrans Memorial Airport is home to the 139th Airlift Wing whose mission is to train, equip, and maintain units and individuals to meet worldwide requirements for federal day-to-day and mobilization missions and state emergencies. The base is located on the east side of the airport and consists of a total of 42 buildings: 32 industrial and 10 administrative totaling 309,000 square feet with no transient housing or billeting. The Air National Guard occupies a 101 acre parcel of land; 54 acres owned by the US Government and 47 acres leased from the City of Saint Joseph. Day-to-day activities are managed by 352 full-time personnel. This increases to 997 personnel during the unit training drills conducted one weekend each month.

J7.2 Natural Gas Distribution System Description

J7.2.1 Natural Gas Distribution System Fixed Equipment Inventory

The Rosecrans Memorial Airport (ANG) natural gas distribution system consists of all appurtenances physically connected to the distribution system from the point in which the distribution system enters the Installation and Government ownership currently starts to the point of demarcation, defined by the Right of Way. The system may include, but is not limited to, pipelines, valves, regulators, and meters. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the distribution system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

J7.2.1.1 Description

Rosecrans Memorial Airport (ANG) natural gas service is provided by Missouri Gas Energy (MGE) Company and enters the base at two points. The configuration is a dead end system with gas delivered at 50 psig. The distribution system contains approximately 1000 linear feet of polyethylene pipe and 4800 feet of black iron pipe ranging from one inch to four inches in diameter. The pipe is buried at an average depth of between three and five feet and the polyethylene pipe is marked with tracer wire. The system contains 13 steel plug valves, four PE ball valves, 19 meters and 18 regulators. Base personnel indicate the capacity of the current system is adequate for present and future needs.

J7.2.1.2 Inventory

Table 1 provides a general listing of the major natural gas distribution system fixed assets for the Rosecrans Memorial Airport (ANG) natural gas distribution system included in the sale.

TABLE 1

Fixed Inventory

Natural Gas Distribution System Rosecrans Memorial Airport (ANG)

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
PE Gas Pipe (marked with tracer wire)				
	2.5	719	LF	2000
	3	310	LF	2000
Black Iron Pipe				
	1	82	LF	1967
	1	75	LF	1992
	1	80	LF	1980
	1	167	LF	1978
	1	140	LF	1997
	1.25	60	LF	1952
	1.25	45	LF	1974
	1.5	318	LF	1974
	2	47	LF	1986
	2	767	LF	1952
	2	342	LF	1994
	3	541	LF	1980
	3	973	LF	1952
	4	611	LF	1952
	4	502	LF	2000
Steel Plug Valves				
	1	1	EA	1967
	1	1	EA	1978
	1.25	4	EA	1952
	1.5	2	EA	1974
	2	2	EA	1952
	3	2	EA	1952
	4	1	EA	1952

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
PE Ball Valves				
	3	1	EA	2000
	2.5	3	EA	2000
Regulators	Orifice size			
	Medium	1	EA	1951
	Large	1	EA	1951
	Medium	2	EA	1952
	Medium	1	EA	1952
	Large	2	EA	1952
	Small	1	EA	1961
	Small	1	EA	1974
	Medium	1	EA	1980
	Large	4	EA	1980
	Large	1	EA	1993
	Small	1	EA	1995
	Small	1	EA	1997
	Large	1	EA	1997
Meters (see description in J7.5)				
		2	EA	1951
		2	EA	1952
		3	EA	1959
		1	EA	1961
		1	EA	1973
		1	EA	1974
		1	EA	1978
		5	EA	1980
		1	EA	1993
		1	EA	1995
		1	EA	1997
Notes:				
PE = Polyethylene				
Small = orifice size under ½ inch				

Item	Size (in.)	Quantity	Unit	Approximate Year of Construction
Medium = orifice size between ½ inch and 1 inch				
Large = orifice size over 1 inch				
LF = Linear Feet				
EA = Each				
IN = Inches				

J7.2.2 Natural Gas Distribution System Non-Fixed Equipment and Specialized Tools

Table 2 lists other ancillary equipment (spare parts) and **Table 3** lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

TABLE 2

Spare Parts

Natural Gas Distribution System Rosecrans Memorial Airport (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3

Specialized Vehicles and Tools

Natural Gas Distribution System Rosecrans Memorial Airport (ANG)

Description	Quantity	Location	Maker
None			

J7.2.3 Natural Gas Distribution System Manuals, Drawings, and Records

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

TABLE 4

Manuals, Drawings, and Records

Natural Gas Distribution System Rosecrans Memorial Airport (ANG)

Qty	Item Description	Remarks
1	Utility Plan, Natural Gas System	AutoCAD Release Version 2000

J7.3 Specific Service Requirements

The service requirements for the Rosecrans Memorial Airport (ANG) natural gas distribution system are as defined in the Section C Description/Specifications/Work Statement.

J7.4 Current Service Arrangement

?? Provider: Missouri Gas Energy

?? Average Annual Usage: 1311 Mcf in 2000

?? Maximum Monthly Use: 251 Mcf in December

?? Minimum Monthly Use: 3 Mcf in August

J7.5 Secondary Metering

J7.5.1 Existing Secondary Meters

Table 5 provides a listing of the existing (at the time of contract award) secondary meters that will be transferred to the Contractor. The Contractor shall provide meter readings for all secondary meters IAW Paragraph C.3 and J7.6 below.

TABLE 5

Existing Secondary Meters

Natural Gas Distribution System Rosecrans Memorial Airport (ANG)

Meter Location Facility Number	MeterDescription
52	1951 American Meter temp/comp 60 degrees F, 425 CFH @ .5" diff, 900 CFH @ 2" diff, pipe size 1.25
53	1952 American Meter, 1.25" pipe
58	American Meter, 1.25" pipe
26	26 1997 Equimeter #750, 1600CF @ 2" diff, 750CF @ .25", 1.25" pipe, MAOP 20 psi, temp comp 60 degrees F
51	1951 American Meter Mod# AL-1400, 1400 CFH @ .5" diff, 3000 @ 2, MAOP 100 psi, 2" pipe" diff
1	1959 American Meter 4 GT Max Index Rate 10,000 CFH MAOP 175 psi
5	1961 American Meter Co, AC-250 250 CFH @ .5" diff MAOP 5 psi ANSI class 250 91
70	1995 Equimeter R-275, CL 250, 275 CFH MAOP 5 psi, 94S
30	1997 Equimeter R-275, 275 CFH, MAOP 5 psi, 96-5
18	1980 V-Maint American Meter Co, AL 2300, 2300 CFH @ .5" diff, 5000 CFH @ 2" diff, MAOP 100 psi
16	1974 Eng shop American Meter Co, AL 800, 800 CFH @ .5" diff, 1700 CFH @ 2" diff, MAOP 20 psi
14	1973 Enviro American Meter Co, AC 250 CFH @ .5" diff, MAOP 5 psi ANSI Class 250
FH-3	1959 American Meter AL 425, ANSI Class 400, MAOP 10 psi, 425 CFH @ .5" diff, 900 CFH @ 2" diff
19	1980 American Meter Co AL 425, MAOP 10 psi, 425 CFH @ .5" diff ANSI Class 400, 900 CFH @ 2" diff
25	1993 Rockwell Turbometer 2" T Plug, cap 7000CFH, 4/90

Meter Location Facility Number	MeterDescription
44	American Meter Co, AL-1400, MAOP 100psi, 1400 CFH @ .5" diff, 3000 CFH @ 2" diff, temp comp 60 degrees F.
45	American Meter Co, AL-2300, MAOP 100 psig, 2300 CFH @ .5" diff, 5000 CFH @ 2" diff, temp comp 60 degrees F
2	1959 American Meter Co, 2" 1803M, orifice 1.25" range 8.5 to 14"
17	17 Sqd Opns 1978 American Meter Co, AL 800, MAOP 20 psi, 800 CFH @ .5" diff, 1700 CFH @ 2" diff, range 5.5 to 8"

J7.5.2 Required New Secondary Meters

The Contractor shall install and calibrate new secondary meters as listed in **Table 6**. New secondary meters shall be installed IAW Paragraph C.13 Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3 and J7.6 below.

TABLE 6

New Secondary Meters

Natural Gas Distribution System Rosecrans Memorial Airport (ANG)

Meter Location	Meter Description
None	

J7.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. Invoice (IAW G.2). The Contractor's monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to the person identified at time of contract award.
2. Outage Report. The Contractor's monthly outage report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to the person identified at time of contract award.
3. Meter Reading Report. The monthly meter reading report shall show the current and previous month readings for all secondary meters. The Contractor's monthly meter reading report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Meter reading reports shall be submitted by the 15th of each month for the previous month. Meter reading reports shall be submitted to the person identified at time of contract award.
4. System Efficiency Report. If required by Paragraph C.3, the Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. System efficiency reports shall be submitted by the 25th of each month for the previous month. System efficiency reports shall be submitted to the person identified at time of contract award.

J7.7 Energy Saving Projects

IAW Paragraph C.3 Requirement, the following projects have been implemented by the Government for conservation purposes. None.

J7.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Rosecrans Memorial Airport (ANG) boundaries.

J7.9 Off-Installation Sites

No off-installation sites are included in the sale of the Rosecrans Memorial Airport (ANG) natural gas distribution system.

J7.10 Specific Transition Requirements

IAW Paragraph C.13 Transition Plan, **Table 7** provides a listing of service connections and disconnections required upon transfer.

TABLE 7

Service Connections and Disconnections

Natural Gas Distribution System Rosecrans Memorial Airport (ANG)

Location	Description
None	

J7.11 Government Recognized System Deficiencies

Table 8 provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Rosecrans Memorial Airport (ANG) natural gas distribution system. If the utility system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewals and Replacements Plan process and will be through Schedule L-3. Renewal and replacement projects will be recovered through Sub-CLIN AB.

TABLE 8

System Deficiencies

Natural Gas Distribution System Rosecrans Memorial Airport (ANG)

Project Location	Project Description
None	